



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q68782

Takashi ONO, et al.

Appln. No.: 10/084,968

Group Art Unit: 2872

Confirmation No.: 2226

Examiner: Unknown

Filed: March 01, 2002

For: METHOD AND CIRCUIT FOR GENERATING SINGLE-SIDEBAND OPTICAL
SIGNAL

SUBMISSION OF DRAWINGS

Commissioner for Patents
Washington, D.C. 20231

Sir:

Submitted herewith please find 11 sheets of drawings in compliance with
37 C.F.R. § 1.84. The Examiner is respectfully requested to acknowledge receipt of these
drawings.

Respectfully submitted,

J. Frank Osha
Registration No. 24,625

SUGHRUE MION, PLLC
2100 Pennsylvania Avenue, N.W.
Washington, D.C. 20037-3213
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

Date: **AUG 21 2002**

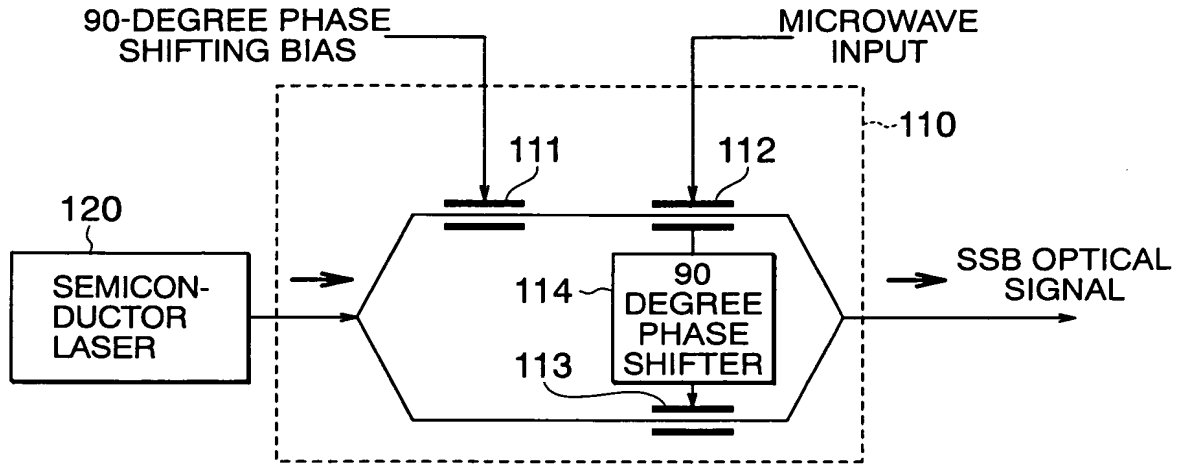


FIG. 1 RELATED ART

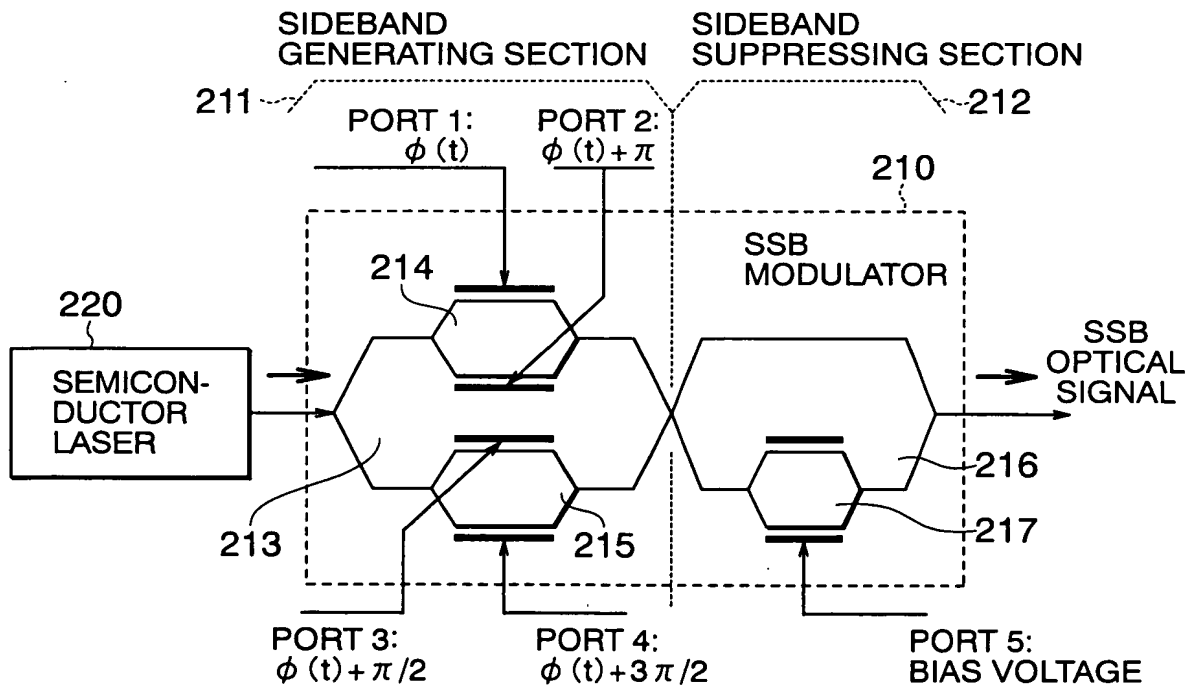


FIG. 2 RELATED ART

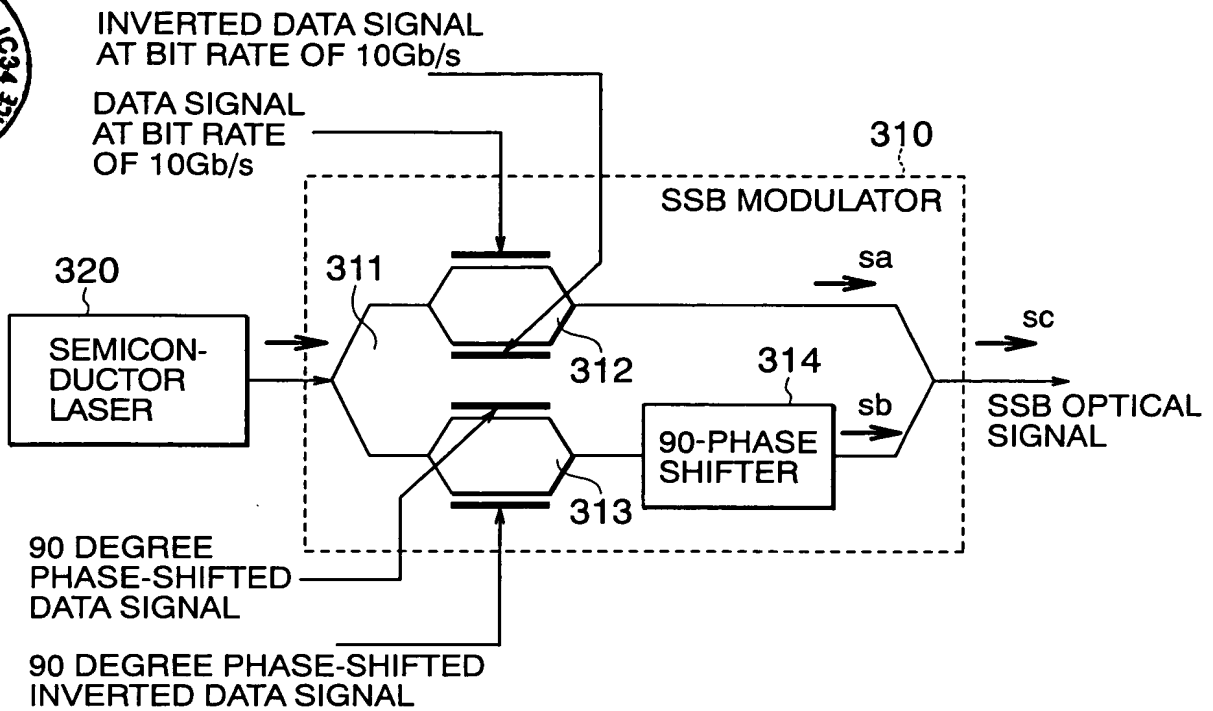


FIG. 3 RELATED ART

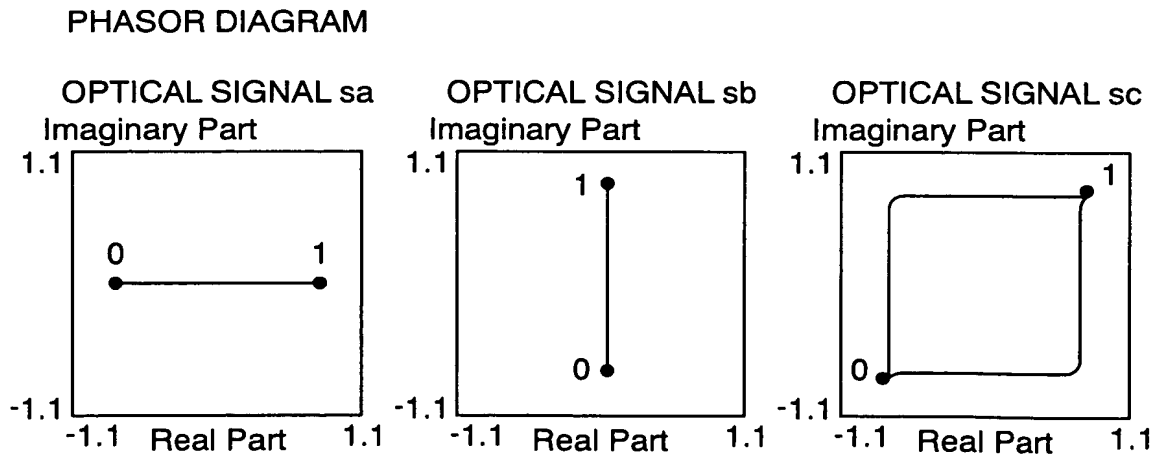


FIG. 4A
RELATED
ART

FIG. 4B
RELATED
ART

FIG. 4C
RELATED
ART

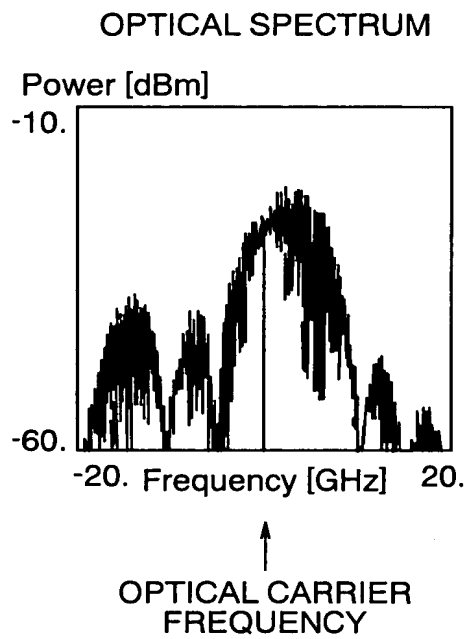


FIG. 5A
RELATED ART

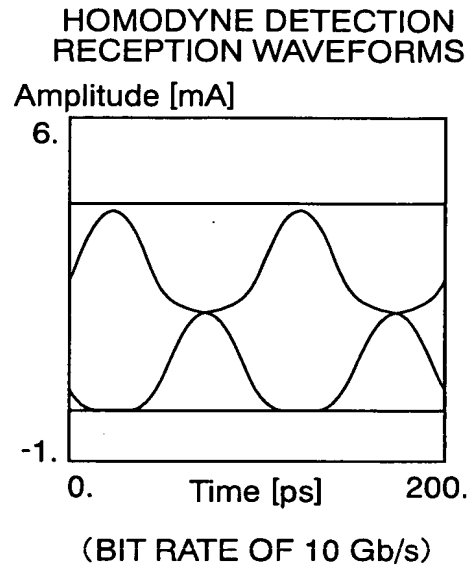


FIG. 5B
RELATED ART

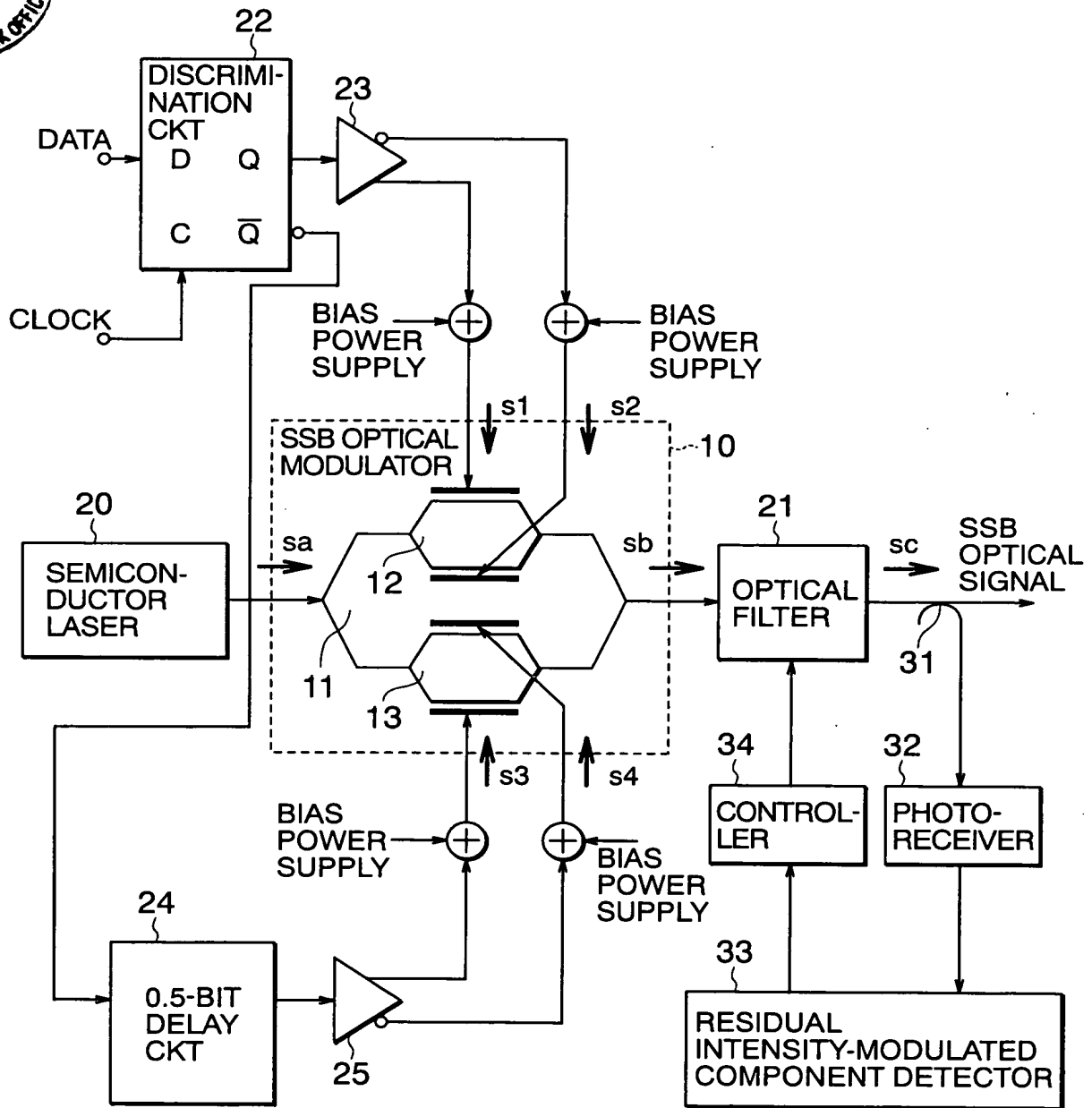


FIG. 6



OPTICAL FILTER CENTER FREQUENCY(+1.9 GHz)

OPTICAL SPECTRUM

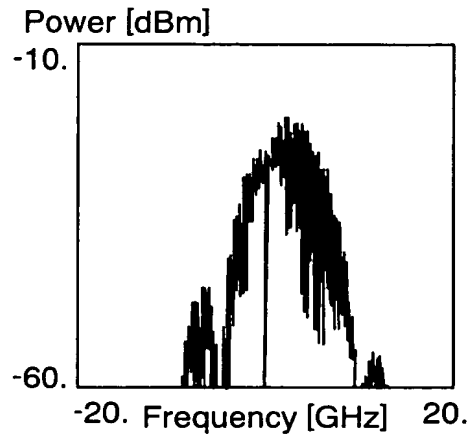


FIG. 7A

PHASOR DIAGRAM

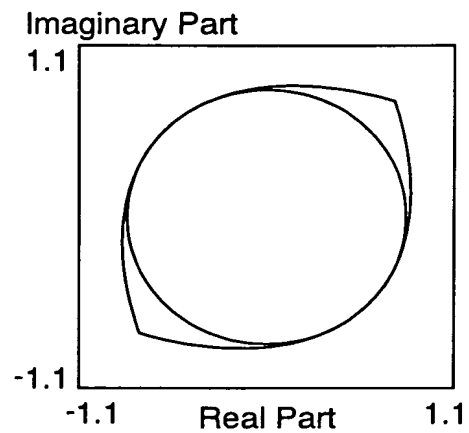


FIG. 7B

RESIDUAL INTENSITY-MODULATED COMPONENT

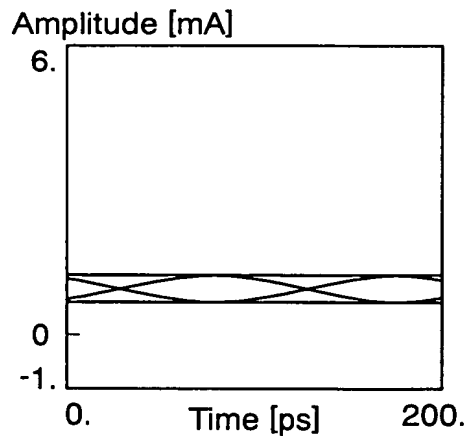


FIG. 7C

HOMODYNE DETECTION RECEPTION WAVEFORMS

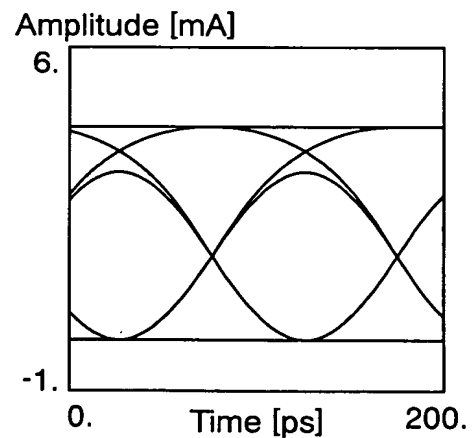


FIG. 7D



OPTICAL FILTER CENTER FREQUENCY(+4.4GHz)

OPTICAL SPECTRUM

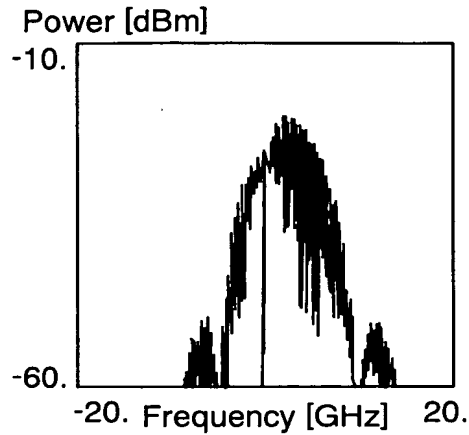


FIG. 8A

PHASOR DIAGRAM

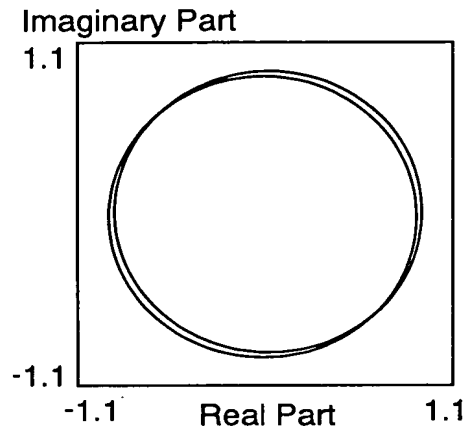


FIG. 8B

RESIDUAL INTENSITY-MODULATED COMPONENT

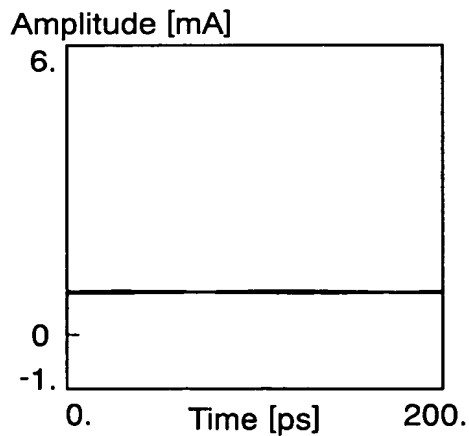


FIG. 8C

HOMODYNE DETECTION RECEPTION WAVEFORMS

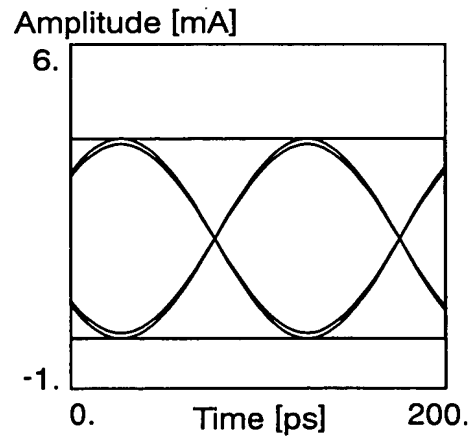


FIG. 8D



OPTICAL FILTER CENTER FREQUENCY(+6.9 GHz)

OPTICAL SPECTRUM

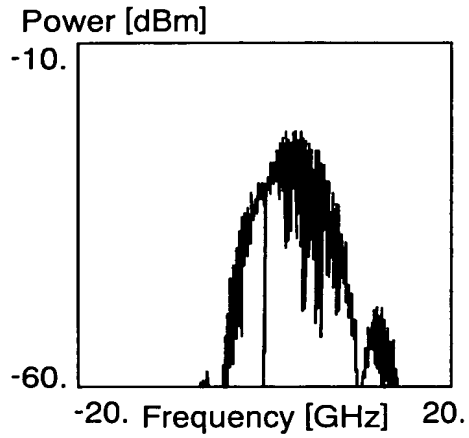


FIG. 9A

PHASOR DIAGRAM

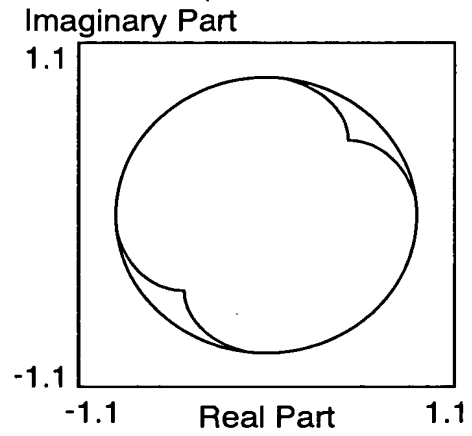


FIG. 9B

RESIDUAL INTENSITY-MODULATED COMPONENT

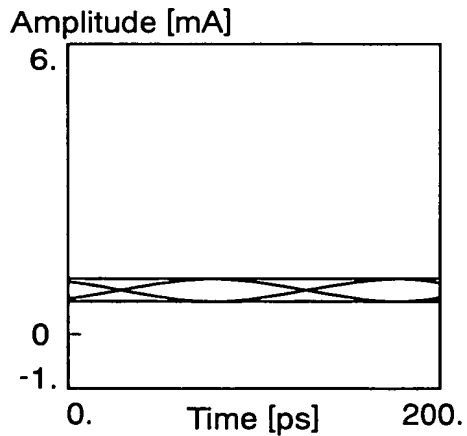


FIG. 9C

HOMODYNE DETECTION RECEPTION WAVEFORMS

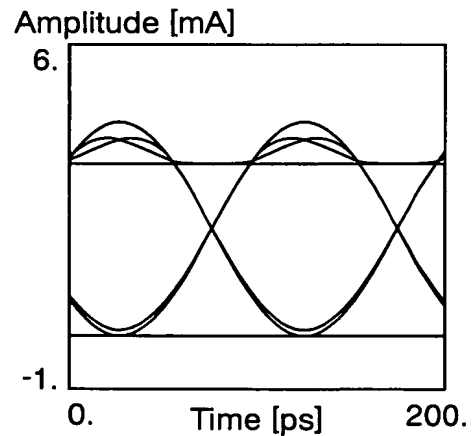


FIG. 9D

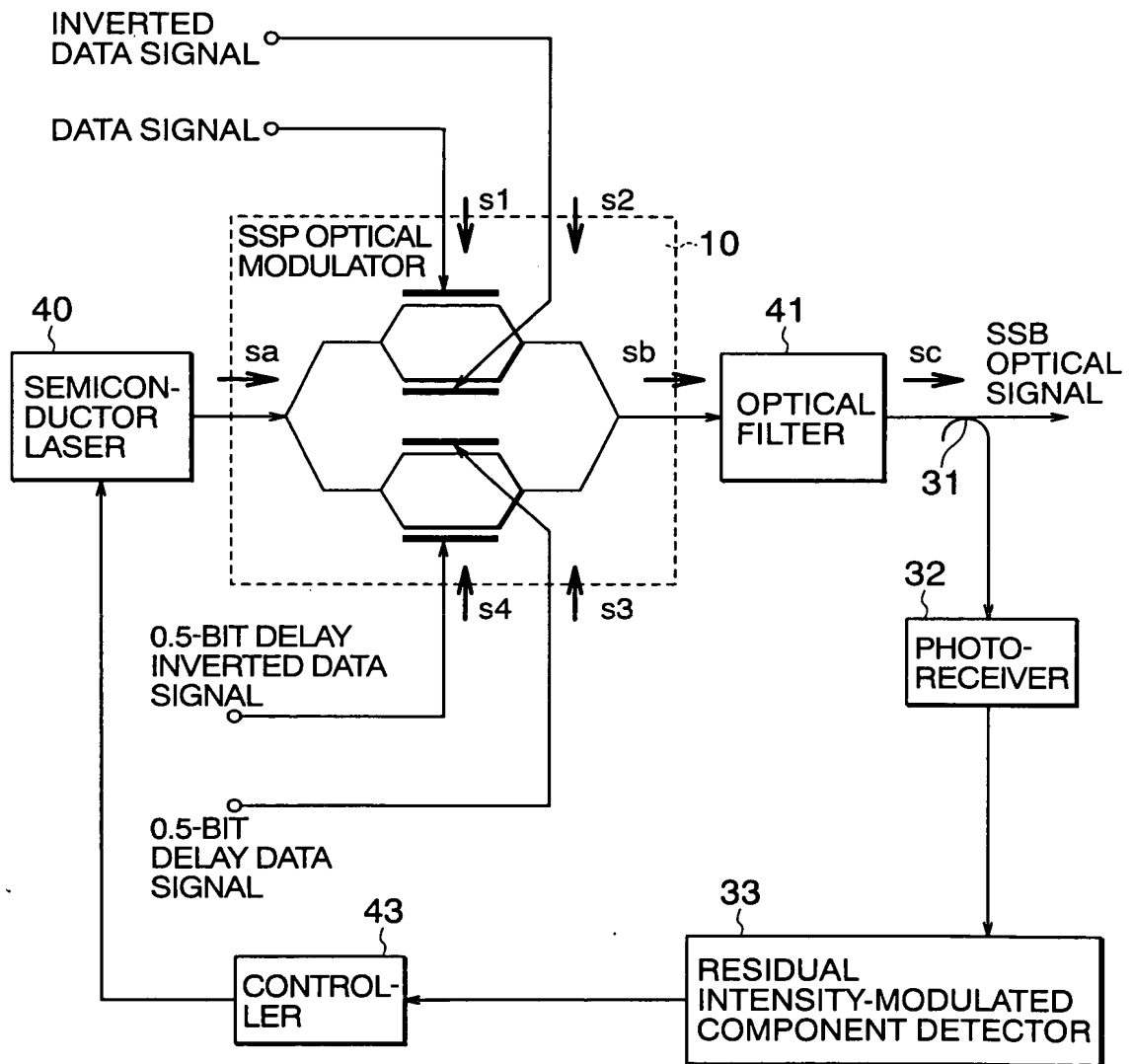


FIG. 10

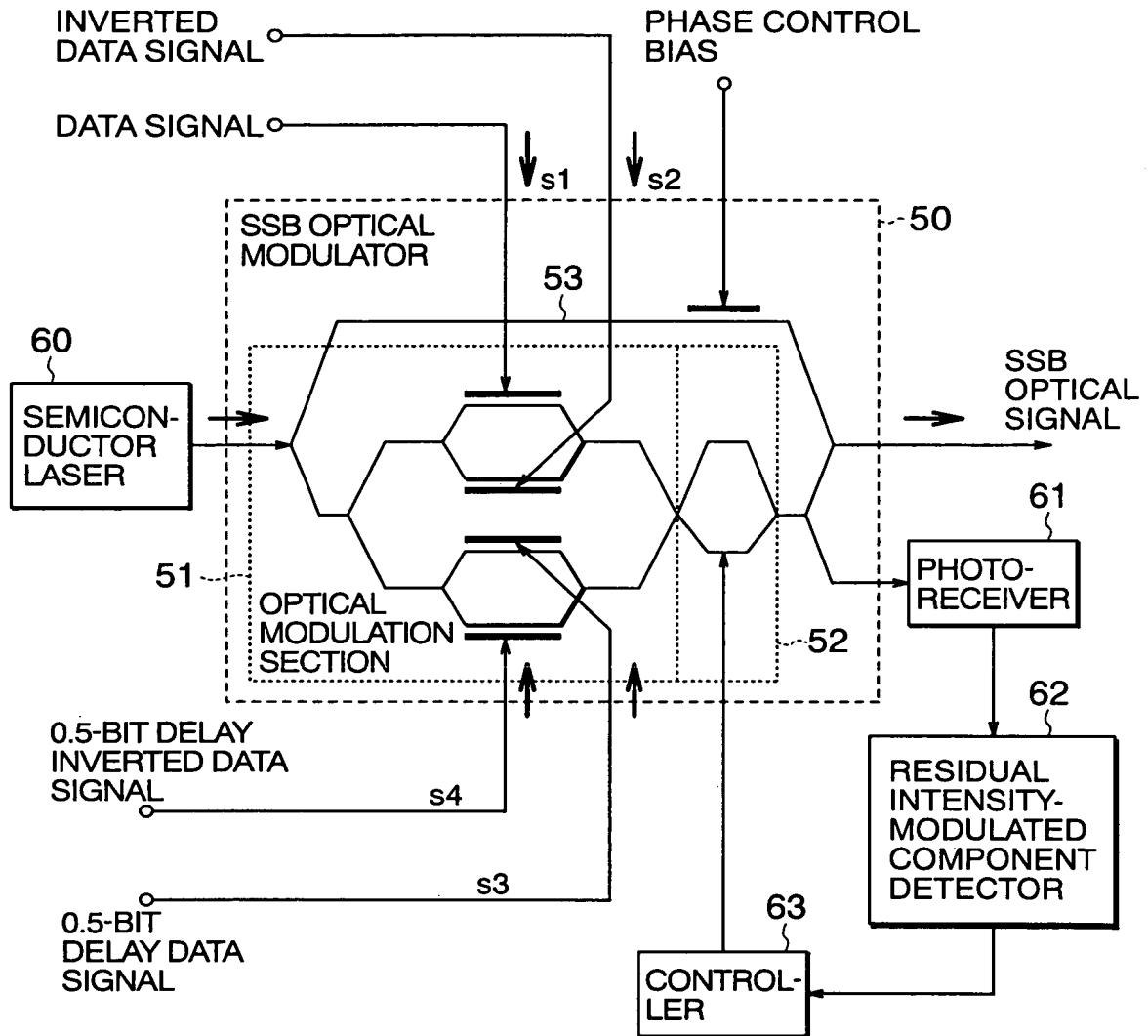


FIG. 11

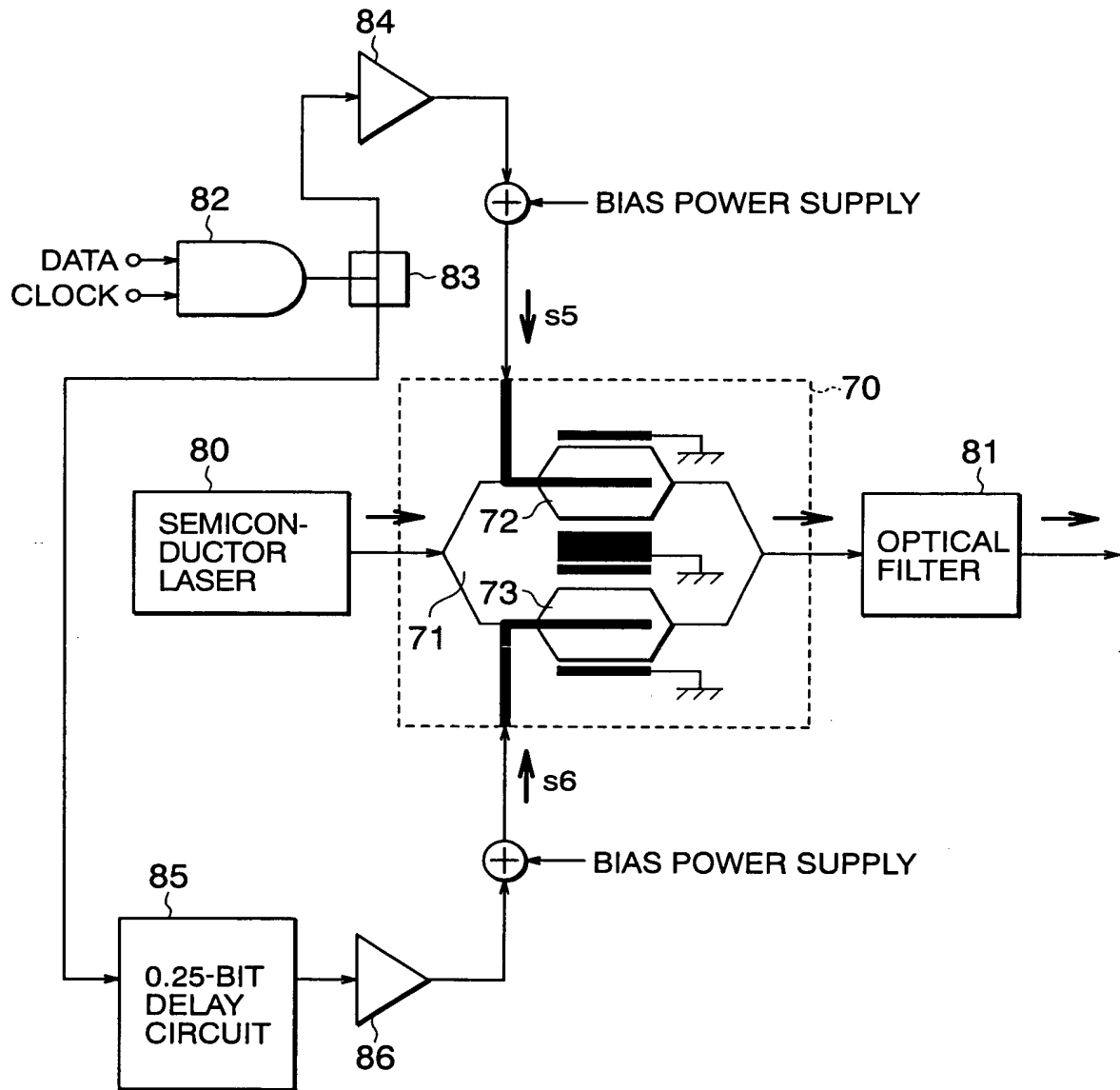


FIG. 12



OPTICAL SPECTRUM

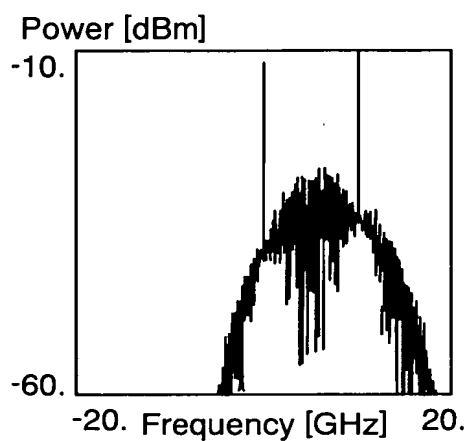


FIG. 13A

PHASOR DIAGRAM

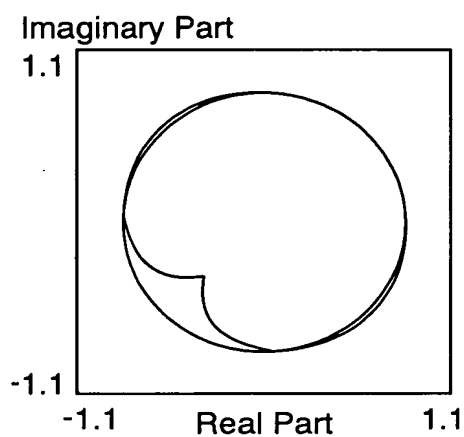


FIG. 13B

HOMODYNE DETECTION
RECEPTION WAVEFORMS

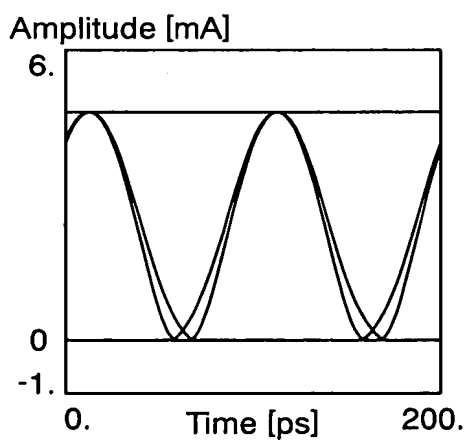


FIG. 13C